IN THE CLAIMS

1. – 14.(Cancelled)

15.   (Currently Amended) An electronic component for connection to a telecommunications network and data exchange in accordance with at least a part of Internet protocols, comprising ~~an integrated monolithic component comprising~~ a DSP (Digital Signal processor) ~~architecture~~ including at least one memory in which is loaded a program implementing the Internet protocols including routines for message handling, FTP download and/or Web server functionalities, the DSP ~~architecture~~ further comprising a signal processing program for exchange of data on the network.

16   (Previously Presented)   The electronic component according to Claim 15, where the signal processing program is a modem program.

17.   (Previously Presented)   The electronic component according to Claim 15, wherein the network is a switched telephone network and the signal processing program is adapted for exchange of data on the switched telephone network.

18.   (Previously Presented)   The electronic component according to Claim 15, wherein the network is a local radio network and the signal processing program is adapted for exchange of data on the local radio network.

19.   (Previously Presented)   The electronic component according to Claim 15, wherein the network is an electric network and the signal processing program is adapted for exchange of data on the electric network.

20.   (Previously Presented)   The electronic component according to Claim 15, further comprising an analogue/digital conversion component that connects with the telecommunications network.

21.   (Previously Presented)   The electronic component according to Claim 15, wherein the at least one memory is a memory of at least 8 kilowords.

22.   (Cancelled)

23.   (Currently Amended) The electronic component according to Claim 15, wherein the DSP is integrated in an equipment for exchange of data between said equipment the equipment for exchange of data between the equipment and a remote system through an Internet service provider, the electronic component further comprising a protocol array and a supervision supervisory layer software which converts data exchanged in both transmission directions by the DSP with the equipment, into data contained within messages exchanged with the remote system through Internet and generates outgoing calls automatically to the Internet Service Provider for sending an electronic message or verifying possible receipt of an electronic message.

24.   (Currently Amended) The electronic component according to Claim 23, wherein the ~~supervision~~ supervisory layer confirms that a datum has been sent to the remote system by using acquittal messages, and by generating callbacks to the Internet Service Provider, where necessary.

25.   (Previously Presented)   The electronic component according to Claim 15, further comprising at least one protocol selected from the group consisting of

NAT (Network Address Translation) to implant an IP address conversion function between different addresses of the internal network equipment and a single IP address of the network seen from the internet; and

DHCP (Dynamic Host Configuration Protocol) which allows an IP address to be assigned dynamically to each piece of internal network equipment, and to perform the gateway function.

26.   (Currently Amended) Communication equipment comprising a calculator, a connector for a telephone network and keyboarding and a display, wherein the connector includes an electronic component ~~according to Claim 15~~ for connection to the telephone network and data exchange in accordance with at least a part of Internet protocols, comprising a DSP (Digital Signal Processor) including at least on memory in which is loaded a program implementing the Internet protocols including routines for message handling, FTP download and/or Web server functionalities, the DSP further comprising a signal processing program for exchange of data on the network.

27. (Previously Presented) A process for adapting a piece of telecommunications equipment fitted with a DSP calculator controlling modem functions, comprising:

loading a memory of the DSP calculator with a program including routines for message-handling, FTP download and/or Web server functionalities.

28. (Previously Presented) The process according to Claim 27, wherein a TCP header, a IP header, and a PPP header are calculated by storing intermediate data in a single working memory and a single calculation buffer memory.